

PN - JP58108201 A 19830628

TI - PREPARATION OF HYDROXYALKYL ETHER OF GALACTOMANNAN

AB - PURPOSE: To obtain the titled compound capable of keeping an aqueous solution of galactomannan at high viscosity free from reduction in viscosity caused by decomposition, by reacting galactomannan with an alkylene oxide in an alkaline galactomannan suspension to which an alkali metal hydroxide is added.

- CONSTITUTION: In an alkaline galactomannan suspension obtained by adding (D) an alkali metal hydroxide (preferably NaOH, etc.) to a mixture of (A) galactomannan, (B) a hydrophilic organic solvent (preferably acetone, etc.) and (C) water, the component A is reacted with (E) an alkylene oxide (e.g., butadiene monoxide, etc.) to give the desired compound. In the reaction, 0.1-2mol component E is used based on unit anhydrosugar of the component A, and the reaction is preferably carried out usually at 30-100 deg.C for 2-24hr. 10wt% component D is preferably used based on component A.

- EFFECT: When it is dissolved in water, powdery particles will not cause solid granulation and a high-quality compound with low ash is obtained.

I - C08B37/00

PA - MITSUBISHI ACETATE KK; others: 01

IN - MOCHIDA NAOKI; others: 02

ABD - 19830914

ABV - 007209

GR - C186

AP - JP19810206136 19811222